

Converting Colors

YIQ(80.5110, 27.8100, 112.7860)

Have a look what the booklet for
YIQ(80.5110, 27.8100, 112.7860)
contains.

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Color

**YIQ(80.5110, 27.8100,
112.7860)**

Conversions

Conversions Part 1

Format	Color
Hex	B100F2
RGB	177, 0, 242
RGB Percent	69%, 0%, 95%
CMY	0.3053, 1.0000, 0.0511
CMYK	0.27, 1.00, 0.00, 0.05
HSL	284°, 100%, 47%
HSV	284°, 100%, 95%
XYZ	34.1888, 15.7739, 85.2316
YIQ	80.5110, 27.8100, 112.7860

Conversions

Conversions Part 2

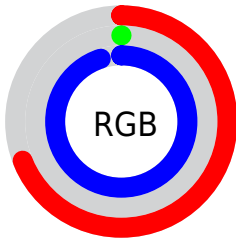
Format	Color
RYB	177, 0, 242
Decimal	11600114
CIELab	46.68, 85.43, -76.26
CIELCh	47, 114.519, 318.248
Yxy	15.7739, 0.2529, 0.1167
Android (android.graphics.Color)	4289790194 (0xFFB100F2)
YUV	80.5110, 79.6141, 84.6209
Hunter-Lab	39.7163, 84.1534, -99.4355

Details

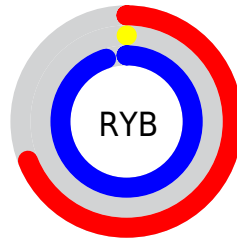
The YIQ color **80.5110, 27.8100, 112.7860** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **161.4890, -27.8100, -112.7860**, and the grayscale version is **80.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **153.0620, 35.2430, 82.6910**, and **55.9590, 10.6680, 82.0280** is the 20% darker color. If you saturate the color by 10%, you get **80.5110, 27.8100, 112.7860**, and if you desaturate by 10%, it is **96.6920, 25.3820, 101.7180**.

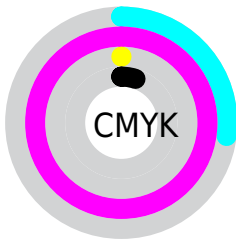
Distribution



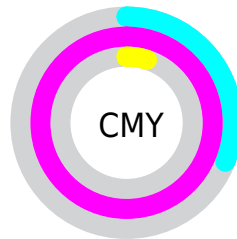
- Red (69%)
- Green (0%)
- Blue (95%)



- Red (69%)
- Yellow (0%)
- Blue (95%)



- Cyan (27%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)





- Cyan (31%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 80.5110, 27.8100, 112.7860 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 80.5110, 27.8100, 112.7860 by changing the saturation by 10% instead.


 80.5110, 27.8100,
112.7860


 80.5110, 27.8100,
112.7860


255.0000, -0.0000,
-0.0000


 68.2350, 19.2390,
97.4070


 153.0620, 35.2430,
82.6910

 55.9590, 10.6680,
82.0280


 176.3420, 36.8500,
70.0820


 43.6120, 0.8590,
67.0590


 193.9520, 28.6000,
54.3920

 30.6670, -10.1420,
51.6660


 210.9750, 20.6250,
39.2250

 15.4440, -26.2320,
34.8880

 228.5850, 12.3750,
23.5350

 8.8920, -25.0380,
24.2580

 246.1950, 4.1250,

 9.0910, -18.7090,

7.8450

14.1790

■ 4.8220, -10.8220,
8.9060

■ 0.4560, -1.2840,
1.2440

■ 80.5110, 27.8100,
112.7860

■ 96.6920, 25.3820,
101.7180

■ 112.5740, 22.3580,
90.4380

■ 129.3420, 19.6550,
78.8470

■ 145.2240, 16.6310,
67.5670

■ 161.4050, 14.2030,
56.4990

■ 177.2870, 11.1790,
45.2190

■ 193.4680, 8.7510,
34.1510

■ 209.9370, 5.4520,
22.3480

■ 225.8190, 2.4280,
11.0680

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7050, -110.7300, 24.3900



80.5110, 27.8100, 112.7860



93.0890, 101.6750, 101.2190

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.5110, 27.8100, 112.7860



104.2250, 73.3610, -13.4470



104.3810, -94.1240, -23.2760

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



80.5110, 27.8100, 112.7860



161.4890, -27.8100, -112.7860

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.1060, -60.8780, -53.1180



80.5110, 27.8100, 112.7860



95.8110, 11.7920, -48.5280

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.5110, 27.8100, 112.7860



68.4710, 136.4840, 48.5480



80.4190, -37.6750, -71.6510



114.1850, -121.7300, 3.4700

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.5110, 27.8100, 112.7860



86.5050, 123.0900, 82.0500



80.4190, -37.6750, -71.6510



100.0320, -83.2560, -33.0160

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



80.5110, 27.8100, 112.7860



204.4080, 8.9800, 35.5080



68.0910, -96.6570, 39.1750



97.1110, 4.9020, 21.3020



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5110, 27.8100, 112.7860



84.9830, 29.5970, 118.9490



94.0180, 83.2420, 110.3940



112.0590, 1.5120, 5.6400



61.0420, 20.8000, 85.6320



18.6430, 6.4600, 26.1080

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



79.7680, 123.3670, 71.5190



83.9970, 130.1520, 75.2080



147.9820, -83.2420, -110.3940



111.9300, 6.1890, 3.4770



60.6020, 93.9350, 54.2470



18.4540, 28.5610, 16.5370

Previews

White Background



This preview shows how the YIQ color 80.5110, 27.8100, 112.7860 looks on a white background.

Color Contrast Check

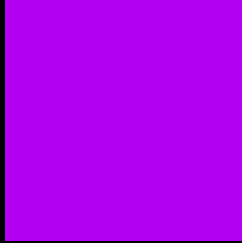
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 80.5110, 27.8100, 112.7860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

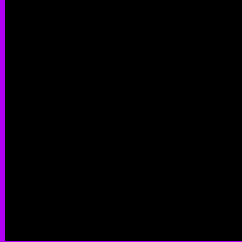
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 80.5110, 27.8100, 112.7860

Background



This preview shows how black text looks on a background with the YIQ color 80.5110, 27.8100, 112.7860.



This preview shows how white text looks on a background with the YIQ color 80.5110, 27.8100,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

80.5110, 27.8100, 112.7860

Protanopia

89.3880, -102.8880, 14.4240

Deuteranopia

90.0770, -95.1830, 1.4330



Tritanopia

113.7380, 33.5130, 14.8970

Trichromacy



Original Color

80.5110, 27.8100, 112.7860



Protanomaly

86.2010, -55.6240, 49.9440



Deuteranomaly

86.3830, -50.6250, 41.9430



Tritanomaly

101.3990, 31.5350, 50.7590

Monochromacy



Original Color

80.5110, 27.8100, 112.7860



Achromatopsia

81.0000, -0.0000, 0.0000



Achromatomaly

81.1680, 9.8960, 40.9360

CSS Examples

Text

The CSS property to change the color of the text to YIQ 80.5110, 27.8100, 112.7860 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(177, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(177, 0, 242)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(177, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 0, 242) }
```

Border

The CSS property to change the border of an element to YIQ 80.5110, 27.8100, 112.7860 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 0, 242) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(177, 0, 242) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(177, 0, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(177, 0,  
242) }
```

Background

The CSS property to change the background color of an element to YIQ 80.5110, 27.8100, 112.7860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 0, 242) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(177, 0,  
242) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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